

SPECIFICATIONS

	N8	N80
Distance Measurement		
EDM System	Laser Class 3R ^①	
	Wave length: 650 - 690 nm. 150MHz Frequency	
Measurement Range	Single Prism ^②	5000m
	Reflective Sheet ^③	1000m
	Reflectorless ^④	1000m
Accuracy	Single Prism	±(2+2ppm×D)mm
	Reflective Sheet	±(3+2ppm×D)mm
	Reflectorless	±(3+2ppm×D)mm ^⑤
Reading	Max: 99999999.9999m Min: 0.1mm	
Measuring Time	Prism	Tracking<0.1s, Fine<0.3s
	Sheet	<0.3s
	Reflectorless	0.3-3s ^⑥
Atmospheric Correction	Manual Input, Auto Correction	
Prism Constant	Manual Input	
Dist.Unit	Freecale Sensor	
Angle Measurement		
Measuring Method	Absolute Continuous	
Dia of Encoder Disk	79mm	
Minimum Reading	0.1" /1" optional	
Accuracy	2"	
Detection Method	Horizontal: Dual, Vertical Dual	
Telescope		
Image	Erect	
Tube Length	154mm	
Effective Aperture	48mm	
Magnification	30X	
Field of View	1° 30'	
Minimum Focus Distance	1.4m	
Resolving Power	3"	
Auto Compensator		
System	Dual axis liquid-electric	
Working Range	±4'	
Accuracy	1"	
Vial		
Plate Vial	30" /2mm	
Circular Vial	8' /2mm	
Laser Plummet (Default)		
Accuracy	±1.5mm (in 1.5m InsHt)	
Wave Length	630nm--670nm	
Laser Power	≤0.4mW	
Optical Plummet (Optional)		
Image	Erect	
Magnification	3X	
Focusing Range	0.5m - ∞	
Field of View	5°	
On-board Battery		
Type	Rechargeable Lithium battery	
Voltage	7.4V DC	
Continuous Operation Time	8 hrs	
Others		
IP Standard	IP55	
Display	320x240 dot matrix true-color screen	
Data Communication	RS-232, USB, SD card	
Blue Tooth	V2.0+EDR 10m range	
Temperature	-20° C~+50° C	
Dimension and Weight	196×196×330mm, 5.2kg	

STANDARD PACKING LIST

Main unit	1x
Lens cover	1x
Battery holder	1x
Battery LB-01	2x
Tools pouch	1x
Plummet	1x
SD card	1x
Y type cable	1x
Manual	1x
Warranty card	1x
Charger LC-01	1x
Reflective sheet	1x
Carry case	1x
Belt	2x
Mini USB cable	1x

①EN60825-1: 2007 ②Good conditions: No haze, visibility about 40km. Overcast, no scintillation ③ Good conditions. With Koda gray card white side (90%) reflective. sheet size 60*60mm. 400m under good conditions with koda gray card grey side (18%). ④With Kodak gray card white side (90%) reflective. Reflectorless range /accuracy may vary according to measuring objects, observation situations and environmental conditions ⑤Range less than 200m. When 200m to 500m, 5+2ppm and measurement time maximum less than 10 second ⑥Typical, under good conditions. Range less than 500m. It also depend on object surface. Maximum less than 10s

OPTIONAL ACCESSORIES



ATS-2 Wooden Tripod
NLS-15 Prism Pole
TK21T Prism Set

You Local Authorized Dealer

SOUTH
Target your success

N8/N80
TOTAL STATION



SOUTH
Target your success

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ATTRACTIONS



Sharp Screen
2.7 inch color highlighted screen, 320x240 dot matrix, transfective and designed for clear reading in strong sunlight condition.



Dual-axis Compensation
International standard dual-axis compensator configured for auto error elimination and auto accuracy compensation, with vivid graphic electronic bubble display.



Laser Pointing
Equipped with laser pointing function, easier to target at the objects, or even served as a laser pointer for orientation.



Smart T-P Sensor
Facilitated with a Temperature-Pressure Sensor, manual parameter input shall be replaced by automatic correction.



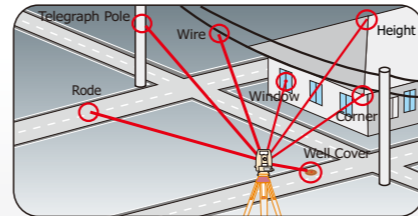
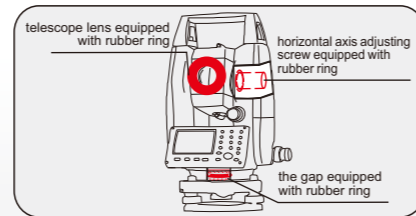
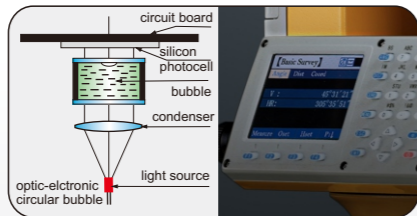
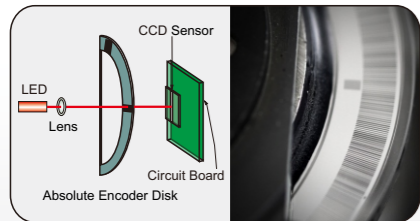
Ultrafast Measurement
Fine mode 0.3S, track mode 0.1S.



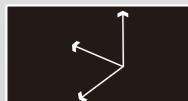
Laser Plummet
Direct laser plumbing on the benchmark helps with an easier setup of station point.



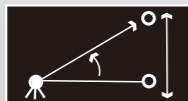
Storage Options
A variety of data transfer options for diverse needs, eg. SD card, mini USB interface.



PROGRAMS



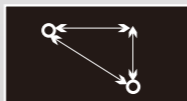
Coordinate measurement



Remote elevation measurement



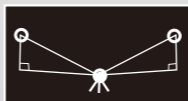
Angle repeated measurement



Missing line measurement



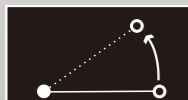
Resection



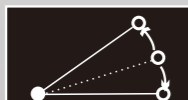
Instrument Height



Road Design Customization



Angle offset



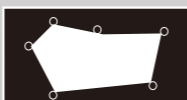
Column offset



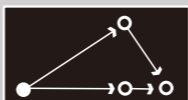
Point Stake-out



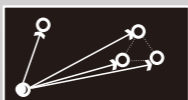
Strand Stake-out



Area Calculation



Distance offset



Plane offset

